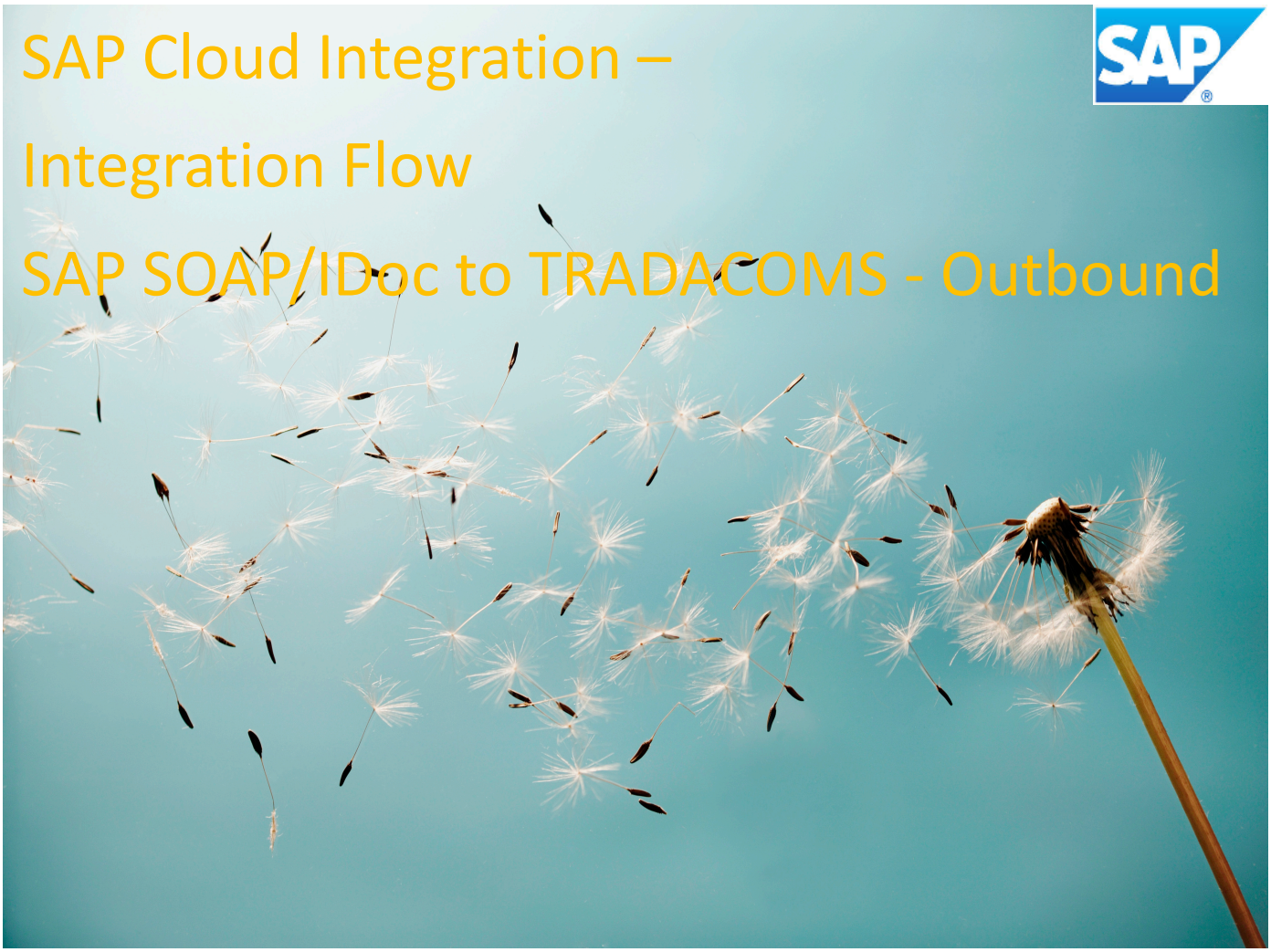
SAP Cloud Integration – Integration Flow

SAP SOAP/IDoc to TRADACOMS - Outbound



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1. Introduction

The SAP BTP includes the SAP Cloud Integration, which offers diverse approaches to connect your IT systems with other cloud or on-premise system landscapes. This makes cloud integration simple and reliable. Hence it is SAP's strategic integration platform for SAP Cloud customers. It provides out-of-the-box connectivity across cloud and on-premise solutions. Since the SAP Cloud Integration is operated by SAP, you don't need to worry about basic activities. Additionally, SAP is offering prepackaged integration content as reference templates, that allows customers to quickly realize new business scenarios. This drastically reduces integration project lead times and lowers resource consumption significantly.

This document gives an overview about the outbound SOAP or IDoc to TRADACOMS template flow of SAP Cloud Integration in combination with SAP Integration Advisor (IA). It is explained how exported runtime artifacts from IA can be imported into the flow and how the flow can be configured. This template flow can be used for the following EDI standards:

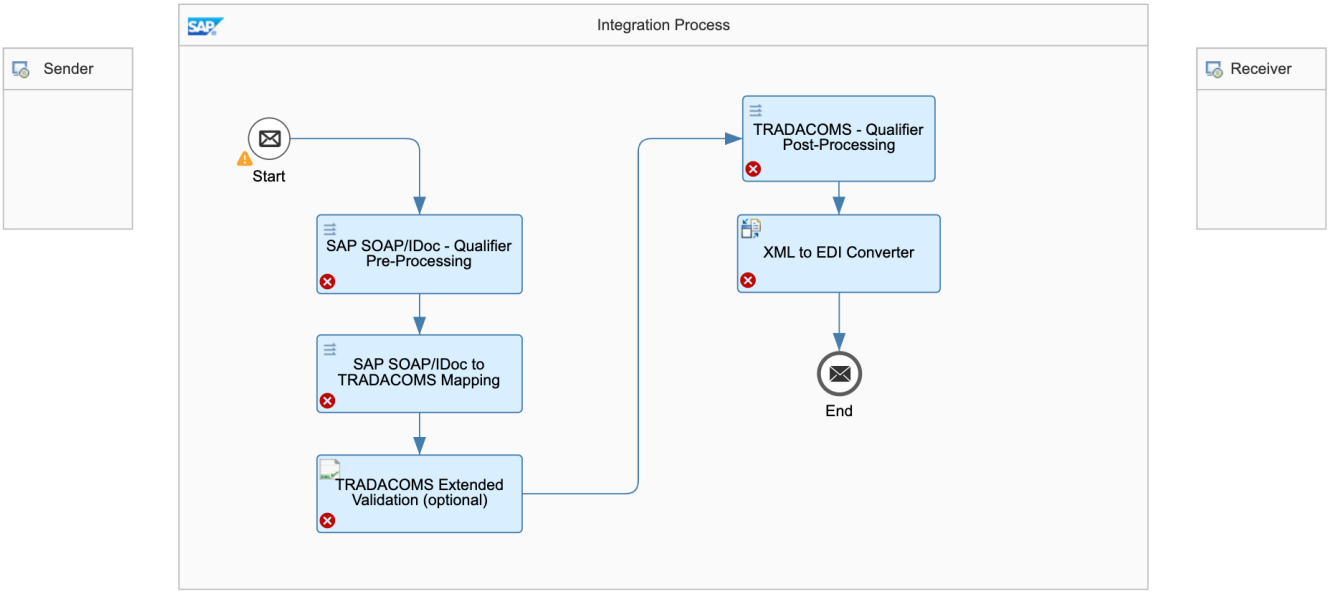
- TRADACOMS

We assume the reader is an integration developer and is familiar with SAP Cloud Integration.

2. Copyright Statement: SAP SE

3. Integration Flow

Integration Flow	
Name	SAP SOAP/IDoc to TRADACOMS - Outbound
Description	SAP SOAP/IDoc to TRADACOMS - Outbound Template



3.1 Basic Concepts

With the SAP Integration Advisor one can create MIG (message implementation guidelines) and MAG (mapping guidelines). These can be exported as SAP Cloud Integration runtime artifacts (zip file containing *xslt and *xsd files). The flow templates contain steps serving as containers for the exported runtime artifacts (where the runtime artifacts can be imported into). E.g., the runtime artifacts exported from the MIG and MAG of the SAP Integration Advisor can be used as follows: schemas (xsd) can be used in EDI Splitter, EDI to XML Converter, XML to EDI Converter, XML Validator (extended validation); stylesheet transformations (xslt files) in XSLT Mapping.

Furthermore, it is necessary to define and customize the communication adapters as well as the required information of the interchange envelope and header structures (e.g., in the content modifier).

3.2 Sender Channel

Sender channel is configured by the customer. In case of SOAP outbound scenario, a sSOAP adapter should be used.

3.3 Start Event

The Start Message event is triggered by the sending system.

3.4 SAP SOAP/IDoc - Qualifier Pre-Processing

XSLT Mapping

Processing	*In this step, the SAP SOAP/IDoc is preprocessed via an XSLT mapping.*
Source	Integration Flow
Resource	*<SourceMIGName>__preproc.xsl* *Runtime artefact from SAP IA. Located in the MIG **source** folder within the exported zip file.*
Output Format	e.g., Bytes

3.5 SAP SOAP/IDoc to TRADACOMS Mapping

XSLT Mapping

Processing	*Mapping step where the source message is transformed into the TRADACOMS message via XSLT.*
Source	Integration Flow
Resource	*<MAGName>.xsl* *Runtime artifact from SAP IA. Located at the root folder of the exported zip file.*
Output Format	e.g., Bytes

We assume in the mapping guideline (MAG) all parts of the source message are fully accessible and can be mapped to all parts of the target EDI message. For EDI as target we assume all parts of the EDI message can be created by the mapping guideline (MAG).

3.6 TRADACOMS Extended Validation (optional)

XML Validator

Validation	*XML Validation step where the result of the XSLT mapping is validated against the TRADACOMS extended validation XSD. Supports XSD 1.1 version.*
XML Schema	*<TargetMIGName>__RD.xsd* *Runtime artifact from SAP IA. Located in the MIG **target** folder within the exported zip file.*
Prevent Exception on Failure	(select)

This validation step is optional but recommended in case the generated payload needs to be validated against a XSD.

If you don’t want to execute validation of the message, simply remove this flow step from your integration flow.

3.7 TRADACOMS - Qualifier Post-Processing

XSLT Mapping

Processing	*The qualifiers within the target TRADACOMS message are removed via an XSLT mapping.*
Source	Integration Flow
Resource	*<TargetMIGName>__postproc.xsl* *Runtime artifact from SAP IA. Located in the MIG **target** folder within the exported zip file.*
Output Format	e.g., Bytes

3.8 XML to EDI Converter

XML to EDI Converter

TRADACOMS	
Source Encoding	e.g., UTF-8
Conversion Preference	(select)
EDI Schema Definition	Integration Flow
Schema Name	*TRADACOMS_<MessageType>_<ReleaseVersion>.xsd* *Runtime artifact from SAP IA. Located in the MIG **target** folder within the exported zip file*

3.9 End Event

The End Message event should be connected with the receiving system.

3.10 Receiver Channel

Receiver channel is configured by the customer.